ABSTRACT OF THE DISCLOSURE (Currently Amemded)

Method of identification and quantitative analysis of [[alcohol(s)]] alcohols in a sample by mass spectrometry using stable isotope labeled internal standards is provided. [[Said]] Stable isotope internal standards [[is]] are prepared by reaction of an authentic sample of [[said]] the alcohols with a stable isotope labeled reagent, and is added to a sample [[containing said]] containing the alcohols. [[Said]] The alcohols in [[said]] the sample mixture [[is]] are then quantitatively converted to [[a]] chemical compounds of identical structure, except the stable isotope atoms, as [[that]] those of [[said]] the synthesized stable isotope labeled internal standards using a non-labeled reagent. [[Said]] The sample mixture is then extracted and the extract is analyzed by mass spectrometry. Identification and quantification of [[said]] alcohols are made from a plot of ion ratio of [[said]] the converted [[alcohol]] chemical compounds to [[said]] the stable isotope labeled internal standards versus alcohol concentration.